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The Royal Society of London

PHILOSOPHICAL TRANSACTIONS

Volume 27
1710-1712

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JOHNSON REPRINT
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1963

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PHILOSOPHICAL
TRANSACTIONS.

Giving Some

ACCOUNT

OF THE

Present Undertakings, Studies, and Labours

OF THE

INGENIOUS,

In Many

Considerable Parts of the VWorld.

V O L: XXVII. For the Years 1710, 1711, and 1712.

L O N D O N:

Printed for *H. Clements* at the *Half-Moon*, and *W. Innys* at the *Princes-Armes*, in *St. Pauls Church-yard*; and *D. Brown* without *Temple-Bar*. MDCCXII.



TO THE
QUEEN.

May it Please Your most Excellent Majesty,



NOW it hath pleased GOD to establish Your Majesty's Health, I most humbly present to Your Majesty, instead of Medicinal Prescriptions, some Papers which have been lately laid before the Royal Society, instituted by Your Royal Uncle King Charles II. for Promoting
Arts

DEDICATION.

Arts and Sciences, the greater Glory of GOD, and the Good of Mankind, as it is express'd in the Words of his Charter of Incorporation. The Accounts here publish'd are such as conduce to those Ends, and lead Us to the Admiration of the Works of the Great Creator: And therefore I hope Your Majesty's Exemplary Piety and Goodness, sufficiently known to all, but more especially to those who have the Honour to serve You, will Pardon my Presumption; Custom having made such Addresses in almost all Ages a Testimony of Duty.

The *Royal Society* is very sensible of *Your Majesty's* great Grace and Favour to their Body, in thinking of them amidst Your very many and weighty Affairs; and giving them the Direction of Your Royal Observatory at *Greenwich*, set up by their Patron and Founder, for Promoting the Ends of their Institution, more particularly *Astronomy* and *Navigation*, for the Benefit of this Trading Kingdom.

This

DEDICATION

This Trust in a particular manner requires most humble Thanks ; and so do other great, tho' too little regarded Blessings, which we partake with all Your Subjects ; and which, next to Almighty G O D, we owe to *Your Majesty's* great Care, Protection, and Wisdom : I mean, that we have lived in a manner easily and quietly, when almost all our Neighbours have been under the great Calamities of War and its Consequences, Plague, Pestilence, and Famine, in the Bowels of their Countries.

The best Return for so many Benefits that can be made, and I dare presume the most pleasing to *Your Majesty*, would be, that all of Us, in our several Capacities, should shew Ourselves Thankful and Dutiful to G O D, live in peaceable Submission to the Laws of our Country, of which *Your Majesty* under G O D is the great Guardian, and be ready to do all good Offices which Civil Society requires of one to another.

I do

DEDICATION.

I do assure YOUR MAJESTY I will endeavour thus to gain *Your Majesty's* Favour ; and remain with unfeigned and profound Respect,

Your Majesty's most Obedient, and

Most Dutiful Subject

And Servant,

July 26. 1712.

Hans Sloane.

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- III. A Letter from Mr Anthony Van Leeuwenhoek, F. R. S. containing some Microscopical Observations upon the Crystallized Particles of Silver dissolved in Aqua fortis.
- IV. A Letter from Dr. Archibald Adams to Dr. Hans Sloane, R. S. Secr. concerning the Manner of making Microscopes, &c.
- V. An Abstract out of a Letter from Dr. W. Holbrooke of Manchester, to Dr. W. Cole, Fellow of the College of Physicians in London; concerning Stones voided by Stool. With Dr. Cole's Answer to the same.
- VI. An Account of the Dissection of a Person, who dy'd of an Ulcer in the Right Kidney. By J. Douglas, M. D. F. R. S.
- VII. An Account of a Book, intitul'd, Index Plantarum Horti Lugduno-Batavi, per Herman. Boerhaven. Lugduni Batav. 1710. 8vo.

PHILOSOPHICAL TRANSACTIONS.

For the Months of April, May, and June, 1710.

Osteographia Elephantina :

O R,

A full and exact Description of all the Bones of an Elephant, which dy'd near Dundee, April the 27th, 1706. with their several Dimensions.

To which are premis'd,

1. *An Historical Account of the Natural Endowments, and several wonderful Performances of Elephants, with the manner of Taking and Taming them.*
2. *A short Anatomical Account of its Parts.*

And added,

1. *An exact Account of the Weight of all the Bones in this Subject.*
2. *The Method I us'd in preparing the Skeleton.*
3. *Four large Copper Plates, wherein are represented the Figures of the Stuff'd Skin, and prepared Skeleton, as they now stand in the Publick Hall of Rarities at Dundee; with the separated Bones in several Views, and other Parts of this Elephant.*

Communicated in a Letter to Dr. Hans Sloane, R. S. Secr.
By Mr. Patrick Blair, Surgeon, &c.

PHILOSOPHICAL TRANSACTIONS.

For the Months of July, August, and September, 1710.

A CONTINUATION of the Osteographia Elephantina :

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A full and exact Description of all the Bones of an Elephant, which dy'd near Dundee, April the 27th, 1706. with their several Dimensions.

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By Mr. Patrick Blair, Surgeon, &c.

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- IV. *Experiments concerning the Time required in the Descent of different Bodies, of different Magnitudes and Weights, in Common Air, from a certain Height.* By Mr. Fra. Hauskbee, F. R. S.
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- VI. *A Description of the Apparatus for making Experiments on the Refractions of Fluids : With a Table of the Specifick Gravities, Angles of Observations, and Ratio of Refractions of several Fluids.* By Mr. Fra. Hauksbee, F. R. S.
- VII. *An Account of a Book, Intitled, Dissertatio Epistolaris de Glandulis conglobatis Duræ Meningis humanæ, indeque ortis Lymphaticis ad Piam Meningem productis.* Authore Antonio Pacchiono. Romæ 1705. 8vo.

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- III. *Animadversiones quadam in Codicem MS. membranaceum, superiori Epistola memoratum: Excerptæ ex Additamentis G. Ch. Schelhammeri ad Herm. Conringij Introductionem in Artem Medicam. Cap. XII. pag. 401.*
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- V. *A Relation of the Effects of a Storm of Thunder and Lightning at Sampford-Courtney in Devonshire, on October the 7th 1711. Communicated by John Chamberlayne Esq; F. R. S.*
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